

FIG.1
SYSTEM CONFIGURATION

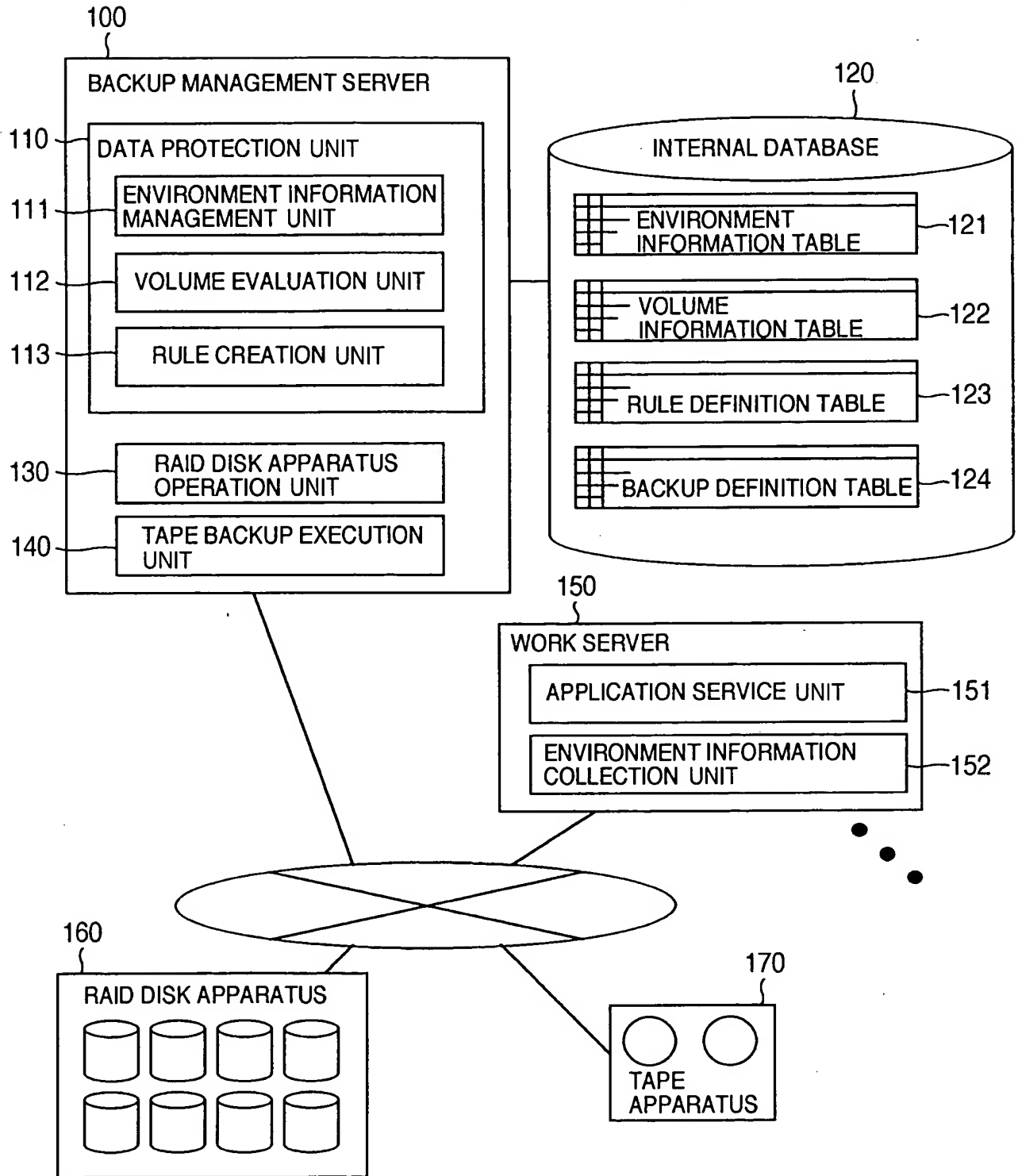


FIG.2

EXAMPLE OF OPERATION CONFIGURATION

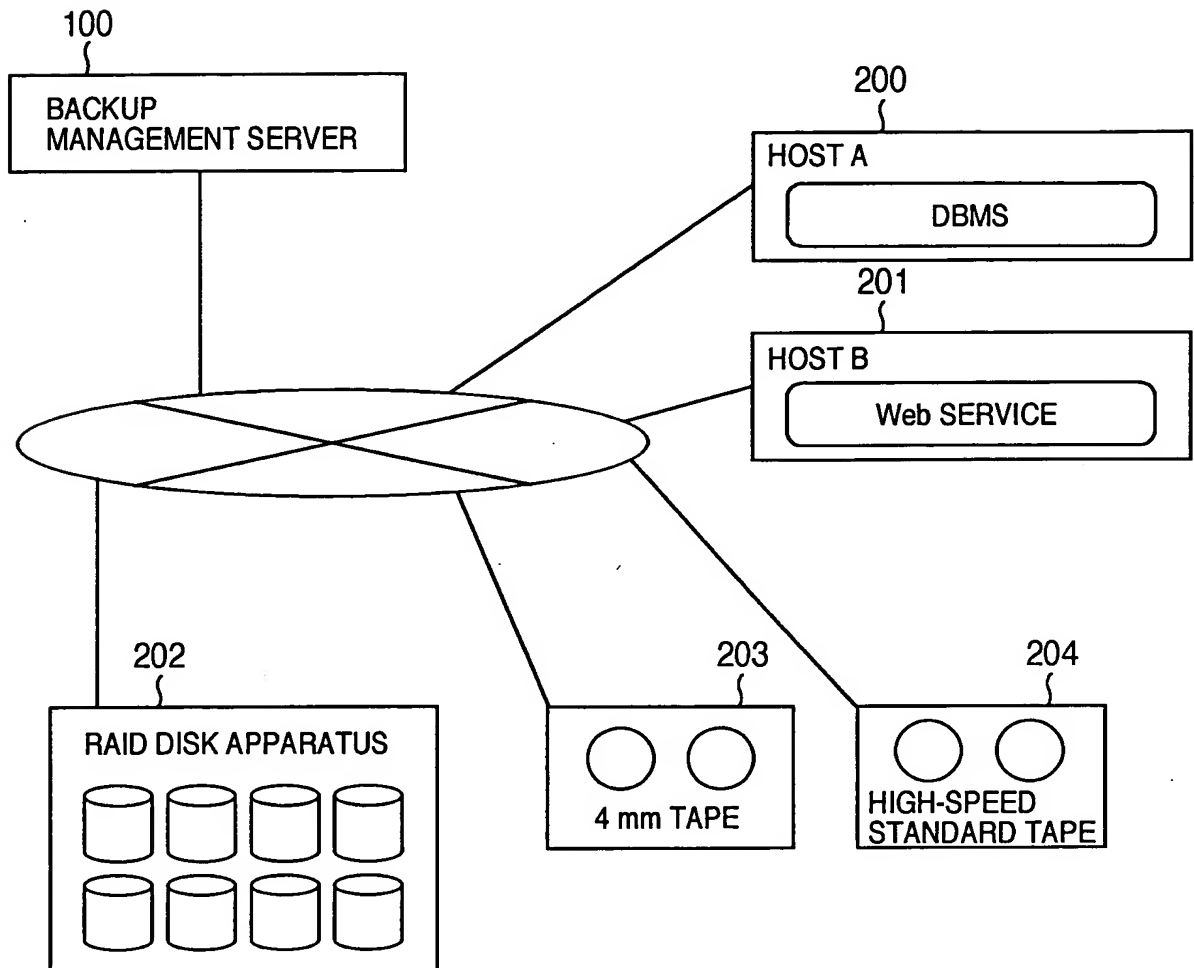


FIG.3

ENVIRONMENT INFORMATION TABLE

300 OBJECT ID	301 OBJECT TYPE	302 NAME	303 HOST NAME
A0000001	TAPE	4 mm TAPE APPARATUS	HOST A
A0000002	TAPE	HIGH-SPEED STANDARD TAPE APPARATUS	HOST B
A0000003	DataBase	DBMS	HOST A
A0000004	Service	Web SERVICE	HOST B

FIG.4

VOLUME INFORMATION TABLE

400 VOLUME ID	401 COUNT	402 ACCESS TYPE	403 INTERVAL	404 USE SIZE	405 SIZE DIFFERENCE SIZE	406 NUMBER OF FILES
V0000001	50000	Read	10sec.	50GB	0 MB	300
V0000002	100000	R/W	5sec.	30GB	0.1 MB	30000
V0000003	1	R/W	7days	20GB	1 MB	10000
V0000004	100	Write	60sec.	10GB	0.1 MB	200

407 VOLUME NAME	408 ACCESS	409 SIZE	410 NUMBER OF FILES	411 BACKUP DEFINITION INFORMATION
/disk01/dbms	80	20	0	B0000001 B0000002
/disk02/www	100	0	0	B0000003
E :	0	20	80	B0000004
F :	0	60	40	B0000005 B0000006

FIG.5

RULE DEFINITION TABLE

500 RULE ID	501 ACTION ELEMENT BACKUP METHOD	502 CONDITION ELEMENT					
		ACCESS			SIZE		NUMBER OF FILES
		COUNT	TYPE	INTER- VAL	USE SIZE	DIFFE- RENCE SIZE	
R0000001	4 mm TAPE BACKUP	—	Read	WIDE	—	—	SMALL
R0000002	HIGH-SPEED STANDARD TAPE BACKUP (FULL)	—	Read	WIDE	LARGE	—	SMALL
R0000003	HIGH-SPEED STANDARD TAPE BACKUP (DIFFERENCE)	—	—	—	—	LARGE	—
R0000004	DISK BACKUP	—	—	—	LARGE	—	LARGE
R0000005	PLURAL-GENERATION DISK BACKUP	LARGE	R/W	—	—	—	LARGE
R0000006	MIRRORING (DISK DUPLICATION)	LARGE	R/W	NAR- ROW	—	—	LARGE

FIG.6

BACKUP DEFINITION TABLE

600 BACKUP DEFINITION ID	601 RULE ID	602 VOLUME ID	603 OBJECT ID
B0000001	R0000002	V0000001	A0000003
B0000002	R0000005	V0000001	A0000003
B0000003	R0000006	V0000002	A0000004
B0000004	R0000001	V0000003	A0000005
B0000005	R0000002	V0000004	A0000006
B0000006	R0000004	V0000004	A0000006

FIG.7

EXAMPLE OF USER WEIGHT PARAMETER INPUT

700

701

WEIGHT PARAMETER

ACCESS 80 SIZE 20 NUMBER OF FILES 0

ENVIRONMENT INFORMATION UPDATING

☐ ENVIRONMENT INFORMATION COLLECTION/
EVALUATION NOT PERFORMED PERIODICALLY

☒ ENVIRONMENT INFORMATION COLLECTION/
EVALUATION PERFORMED PERIODICALLY

UPDATE INTERVAL 1 DAY 0 HOUR

OK CANCEL

FIG.8

FLOWCHART OF BACKUP METHOD SELECTION PROCESSING

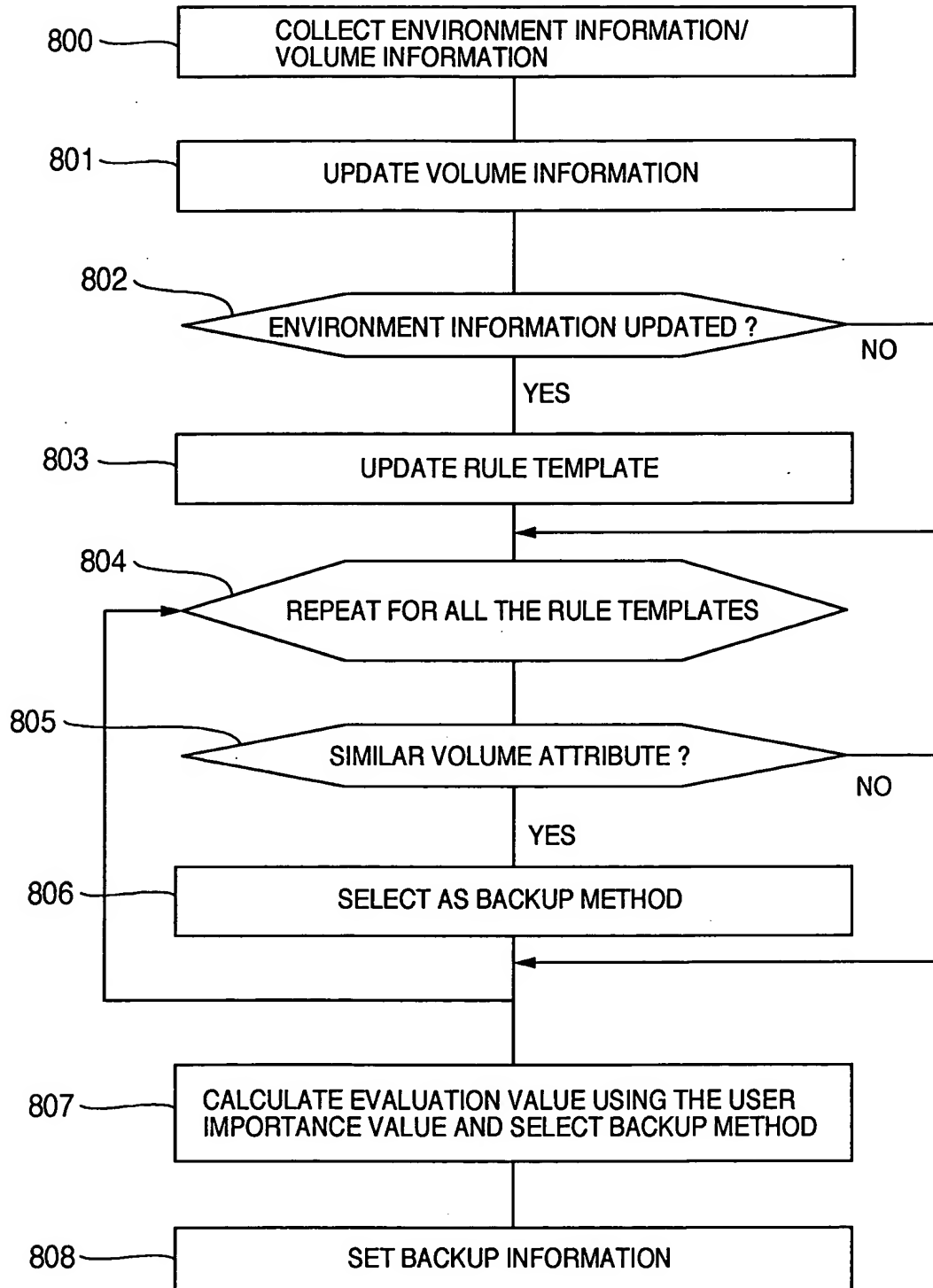


FIG.9

<div> <div>900</div> <div>901</div> <div>902</div> </div>		
VOLUME ID	UPDATE INTERVAL	COUNTER
v0000001	1 day	3 hours
v0000002	15 hours	10 hours
v0000003	30 minutes	22 minutes
v0000004	2 hours	2 hours

FIG.10

<div> <div>1000</div> <div>1001</div> </div>	
INSTRUCTION INFORMATION	SELECTION CONDITION
HIGH-SPEED RESTORE	DISK
HIGH RELIABILITY	MIRRORING
⋮	⋮

FIG.11

1100 DATABASE NAME	1101 FILE NAME	1102 VOLUME ID
System	aaa.txt	v0000001
System	bbb.txt	v0000001
⋮	⋮	⋮
temp	ccc.txt	v0000004

FIG.12

1200 VOLUME ID	1201 SELECTED RULE	1206 ▼	1202 APPLICATION RESULT
v0000001	HIGH-SPEED STANDARD TAPE BACKUP	▼	12 minutes

1203 CONDITION ELEMENT	1204 VALUE	1205 WEIGHT PARAMETER
ACCESS	COUNT	5000
	TYPE	Read
	INTERVAL	10
SIZE	USE SIZE	50
	DIFFERENCE SIZE	0
NUMBER OF FILES		300
		0

FIG.13

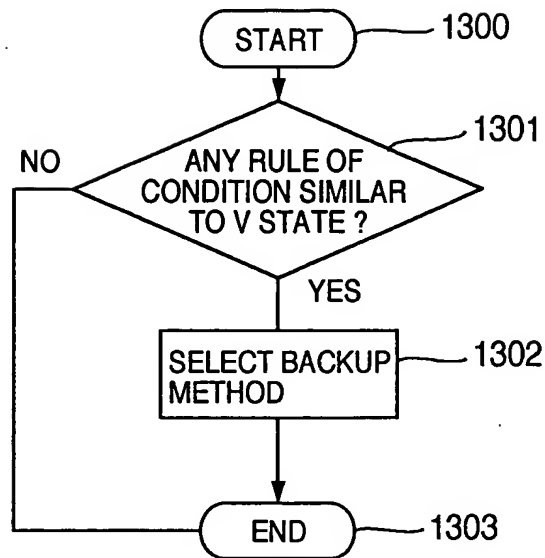


FIG.14

